

ABSTRACT

A method for producing a structured material for accommodating passage of fluids, particularly high viscosity fluids, through the structured material.

In one embodiment, the structured material is a composite material formed of a first

5 layer, for example a polypropylene polymer, having a first shrinkage extent and a

second layer bonded to the first layer, for example an ethylene-propylene copolymer,

having a second shrinkage extent different from the first shrinkage extent. In another

embodiment, a structured heterogenous material is made of a heterogeneous mixture

of at least two homogeneous fiber sets or components having different shrinkage

10 extents.